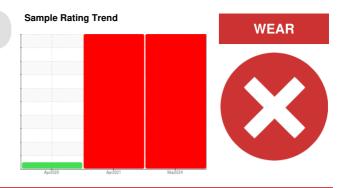


PROBLEM SUMMARY

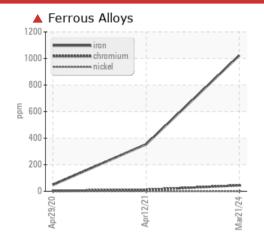
ALTAIR 30 [418163] **ATLAS COPCO UTY758601 - ENGINEERED DEVICES**

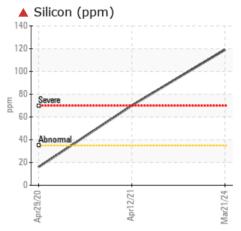
Component

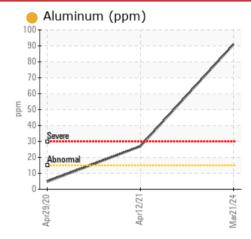
Compressor



COMPONENT CONDITION SUMMARY







RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status				SEVERE	SEVERE	NORMAL			
Iron	ppm	ASTM D5185m	>50	▲ 1023	▲ 354	48			
Chromium	ppm	ASTM D5185m	>5	44	1 1	3			
Silicon	ppm	ASTM D5185m	>35	119	1 70	16			
Silt	scalar	*Visual	NONE	MODER	NONE	NONE			

Customer Id: UCAIRCAR **Sample No.:** UCH06125766 Lab Number: 06125766 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.		
Change Fluid			?	We recommend that you drain the oil and perform a filter service on this component if not already done.		
Change Filter			?	We recommend that you drain the oil and perform a filter service on this component if not already done.		
Resample			?	We recommend an early resample to monitor this condition.		
Check Dirt Access			?	We advise that you check all areas where dirt can enter the system.		

HISTORICAL DIAGNOSIS

12 Apr 2021 Diag: Jonathan Hester

WEAR



We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. The chromium level is severe. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



29 Apr 2020 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



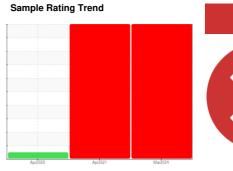


OIL ANALYSIS REPORT

ALTAIR 30 [418163] Machine Id ATLAS COPCO UTY758601 - ENGINEERED DEVICES

Component

Compressor





DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

The iron level is severe. The chromium level is severe.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a moderate amount of visible silt present in the sample.

Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

		Apr2020 Apr2021 Misr2024				
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06125766	UCH05228143	UCH04975418
Sample Date		Client Info		21 Mar 2024	12 Apr 2021	29 Apr 2020
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				SEVERE	SEVERE	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1023	▲ 354	48
Chromium	ppm	ASTM D5185m	>5	4 4	1 1	3
Nickel	ppm	ASTM D5185m		<1	<1	0
Titanium	ppm	ASTM D5185m		3	1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>15	91	2 7	5
Lead	ppm	ASTM D5185m	>65	0	2	1
Copper	ppm	ASTM D5185m	>65	3	3	<1
Tin	ppm	ASTM D5185m	>10	4	0	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		9	3	<1
Magnesium	ppm	ASTM D5185m		14	37	<1
Calcium	ppm	ASTM D5185m		176	250	15
Phosphorus	ppm	ASTM D5185m		53	105	42
Zinc	ppm	ASTM D5185m		0	69	6
Sulfur	ppm	ASTM D5185m		299	716	1066
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	119	1 70	16
Sodium	ppm	ASTM D5185m		26	22	30
Potassium	ppm	ASTM D5185m	>20	7	16	<1
Water	%	ASTM D6304	>0.1	NEG	NEG	NEG
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Anial Nivershau (ANI)	ma 1/011/-	ACTM DODAE		1.070	0.001	0.070

1.279

Acid Number (AN)

mg KOH/g ASTM D8045

0.061

0.076



OIL ANALYSIS REPORT

